AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-5. (cancelled)

6. **(currently amended)** An electronic gas-lighting device, comprising:

a casing made of insulating material;

an electronic high-voltage-pulse generating circuit housed in said casing, said electronic high-voltage-pulse generating circuit comprising a transformer having a secondary winding and at least one high voltage terminal formed at an end of said secondary winding;

power supply contacts fitted to said casing to be in electrical contact with said electronic high-voltage-pulse generating circuit; and

attaching elements for removably attaching said casing to a supporting surface of a metal conducting body element of a cooking range provided with gas burners;

wherein said attaching elements comprise two teeth adapted to engage with at least one opening of the metal conducting body element, said teeth being formed integrally with said casing and at least one of said teeth being elastically deformable, both of said teeth projecting in the same direction from the same side of said casing;

wherein said casing comprises first and second compartments, said transformer being housed in the first compartment and electrically connected to other components of said electronic high-voltage-pulse generating circuit that are housed in the second compartment, said power supply contacts being fitted to the second compartment;

wherein said teeth project integrally from an outer surface of the second compartment; and

wherein one of said power supply contacts is a ground contact that comprises a tongue projecting outwards of the second compartment, on the same side as the teeth, for a predetermined distance from the outer surface so as to contact the metal conducting body element when said teeth engage said at least one opening of the metal conducting body element.

7. (canceled)

8. **(currently amended)** The device of claim [[7]] 6, wherein an entirety of said casing, including said first and second compartments, is integrally made of molded plastic material.

9. (previously presented) The device of claim 8, wherein said first compartment has a cup structure, said second compartment has a box structure, and said power supply contacts include blade contacts each having a screw terminal.

10. (canceled)

11. **(currently amended)** The device of claim [[10]] 8, wherein ~~one of said power supply contacts is a ground contact that comprises a tongue projecting outwards of the second compartment, on the same side as the teeth, for a predetermined distance from the outer surface so as to contact the metal conducting body element when said teeth engage said at least one opening of the metal conducting body element, said tongue having~~ said tongue has a hole for enabling said tongue to be fastened to the metal conducting body element.

12. (previously presented) The device of claim 11, wherein said first compartment has a cup structure, said second compartment has a box structure, and said power supply contacts include blade contacts each having a screw terminal.

13. **(currently amended)** An electronic gas-lighting device, comprising:

a casing made of insulating material;

an electronic high-voltage-pulse generating circuit housed in said casing, said electronic high-voltage-pulse generating circuit comprising a transformer having a secondary winding and at least one high voltage terminal formed at an end of said secondary winding;

power supply contacts fitted to said casing to be in electrical contact with said electronic high-voltage-pulse generating circuit; and

attaching elements for removably attaching said casing to a supporting surface of a metal conducting body element of a cooking range provided with gas burners;

wherein

said attaching elements comprise two teeth adapted to engage with at least one opening of the metal conducting body element, said teeth being formed integrally with said casing and at least one of said teeth being elastically deformable, both of said teeth projecting in the same direction from the same side of said casing;

said casing comprises first and second compartments, said transformer being housed in the first compartment and electrically connected to other components of said electronic high-voltage-pulse generating circuit that are housed in the second compartment, said power supply contacts being fitted to the second compartment; and

said teeth project integrally from an outer surface of the second compartment; and

said device further comprises ~~The device of claim 10, further comprising~~ a conductor on the outer surface of said second compartment for connecting the electronic high-voltage-pulse generating circuit to a control of the cooking range.

14. **(currently amended)** The device of claim [[10]] 6, wherein the first compartment has

an access opening; and

a bottom wall opposite and facing said access opening, said bottom wall comprising at least

one duct in which said at least one high voltage terminal is housed, said bottom wall and access opening lying in planes perpendicular to the outer surface of said second compartment.

15. **(currently amended)** An electronic gas-lighting device, comprising:

a casing made of insulating material;

an electronic high-voltage-pulse generating circuit housed in said casing, said electronic high-voltage-pulse generating circuit comprising a transformer having a secondary winding and at least one high voltage terminal formed at an end of said secondary winding;

power supply contacts fitted to said casing to be in electrical contact with said electronic high-voltage-pulse generating circuit; and

attaching elements for removably attaching said casing to a supporting surface of a metal conducting body element of a cooking range provided with gas burners;

wherein

said casing comprises first and second compartments, said transformer being housed in the first compartment and electrically connected to other components of said electronic high-voltage-pulse generating circuit that are housed in the second compartment, said power supply contacts being fitted to the second compartment; and

an entirety of said casing, including said first and second compartments, is integrally made in one piece from [[of]] said insulating material.

16. (previously presented) The device of claim 15, wherein said attaching elements projecting generally in the same direction from an outer surface of the second compartment.

17. **(currently amended)** An electronic gas-lighting device, comprising:

a casing made of insulating material;

an electronic high-voltage-pulse generating circuit housed in said casing, said electronic high-voltage-pulse generating circuit comprising a transformer having a secondary winding and at

least one high voltage terminal formed at an end of said secondary winding;

power supply contacts fitted to said casing to be in electrical contact with said electronic high-voltage-pulse generating circuit; and

attaching elements for removably attaching said casing to a supporting surface of a metal conducting body element of a cooking range provided with gas burners;

wherein

said casing comprises first and second compartments, said transformer being housed in the first compartment and electrically connected to other components of said electronic high-voltage-pulse generating circuit that are housed in the second compartment, said power supply contacts being fitted to the second compartment;

~~The device of claim 15, wherein~~

said attaching elements comprise two teeth adapted to engage with at least one opening of the metal conducting body element, said teeth being formed integrally with said casing, both of said teeth projecting from one side of said casing;

one of said power supply contacts is a ground contact that comprises a tongue projecting outwards of the second compartment, on the same side as the teeth, for a predetermined distance from the outer surface so as to contact the metal conducting body element when said teeth engage said at least one opening of the metal conducting body element.

18. (previously presented)The device of claim 17, wherein said high voltage terminal and said tongue project from the first and second compartments, respectively, in substantially perpendicular directions.

19. (previously presented) The device of claim 17, wherein said teeth project generally in the same direction from said one side of said casing and said tongue is positioned between said teeth.

20. **(currently amended)** An electronic gas-lighting device, comprising:

a casing made of insulating material;

an electronic high-voltage-pulse generating circuit housed in said casing, said electronic high-voltage-pulse generating circuit comprising a transformer having a secondary winding and at least one high voltage terminal formed at an end of said secondary winding;

power supply contacts fitted to said casing to be in electrical contact with said electronic high-voltage-pulse generating circuit; and

attaching elements for removably attaching said casing to a supporting surface of a metal conducting body element of a cooking range provided with gas burners;

wherein

said attaching elements comprise two teeth adapted to engage with at least one opening of the metal conducting body element, said teeth being formed integrally with said casing and at least one of said teeth being elastically deformable;

one of said power supply contacts is a ground contact that comprises a tongue made of conducting material and adapted to contact the metal conducting body element when said teeth engage said at least one opening of the metal conducting body element; and

~~The device of claim 11, wherein~~ said tongue is positioned between said teeth.

21. **(currently amended)** An electronic gas-lighting device, comprising:

a casing made of insulating material;

an electronic high-voltage-pulse generating circuit housed in said casing, said electronic high-voltage-pulse generating circuit comprising a transformer having a secondary winding and at least one high voltage terminal formed at an end of said secondary winding;

power supply contacts fitted to said casing to be in electrical contact with said electronic high-voltage-pulse generating circuit; and

attaching elements for removably attaching said casing to a supporting surface of a metal conducting body element of a cooking range provided with gas burners;

wherein

said attaching elements comprise two teeth adapted to engage with at least one opening of the metal conducting body element, said teeth being formed integrally with said casing and at least one of said teeth being elastically deformable, both of said teeth projecting in the same direction from the same side of said casing; and

~~The device of claim 6, wherein~~ said power supply contacts are blade contacts each having a screw terminal, one of said blade contacts being a grounding contact;

said device further comprising an L-shaped tongue having a first portion extending from the grounding contact in a direction of the supporting surface of the metal conducting body element when said teeth engage said at least one opening of the metal conducting body element, and a second portion substantially parallel to the supporting surface of the metal conducting body element when said teeth engage said at least one opening of the metal conducting body element.

22. (previously presented) An electronic gas lighting device integrated with a terminal board, the device comprising:

a casing made of insulating material;

electronic high voltage pulse generating means including at least one transformer having a secondary winding which has ends connected to respective high voltage terminals; and

assembly means for removably fitting said casing to a supporting surface of a conducting metal body element of a cooking range with gas burners;

wherein

said casing is fitted directly with respective supply contacts located on a specially shaped portion of the casing to form a supply terminal board, which is connected exclusively and solely to said electronic high voltage pulse generating means, and to which are connectable wires of a supply cable;

said casing is made of molded synthetic plastic material;

said casing comprises a cup shaped body, a cavity of which houses said at least one

transformer, and a box portion, which is formed integrally with the cup shaped body;

said casing houses at least part of said electronic high voltage pulse generating means, and is fitted directly with said respective supply contacts which are arranged on the box portion to form, together with the box portion, said terminal board;

said respective supply contacts being defined by Faston blade contacts clicked onto an inner first face of said box portion of the casing, and each having a respective screw terminal;

said assembly means comprise two teeth, at least one of which is elastically deformable, and which click onto at least one opening in said conducting metal body element of the cooking range;

said teeth are formed integrally with said casing, and project perpendicularly from an outer second face, opposite the first face, of said box portion of the casing;

one of said respective supply contacts is a ground contact, and comprises an integral tongue projecting outwards of the box portion of the casing on the same side as said teeth, said tongue being located parallel to and facing said second face, and at such a distance from the second face as to contact said conducting metal body element of the cooking range when said teeth engage said at least one opening; and

said tongue has at least one respective fastening hole for fitment to said conducting metal body element of the cooking range.

23. (previously presented) The device of claim 22, wherein, on said second face side, said box portion of the casing comprises an integral connector for connecting the high voltage pulse generating means to respective control means of the cooking range.

24. (previously presented) The device of claim 23, wherein said cup shaped body comprises an access opening to said cavity, and a bottom wall opposite and facing said access opening and comprising a number of through ducts, each housing one of said high voltage terminals; said bottom wall and said access opening lying in planes perpendicular to the plane of said first and second faces of the box portion.

25. **(new)** The device of claim 13, wherein an entirety of said casing, including said first and second compartments, is integrally made of molded plastic material.

26. **(new)** The device of claim 17, wherein an entirety of said casing, including said first and second compartments, is integrally made of said insulating material.

27. **(new)** The device of claim 20, wherein both of said teeth and said tongue project in the same direction from the same side of said casing.